

Patent Abstracts of Japan

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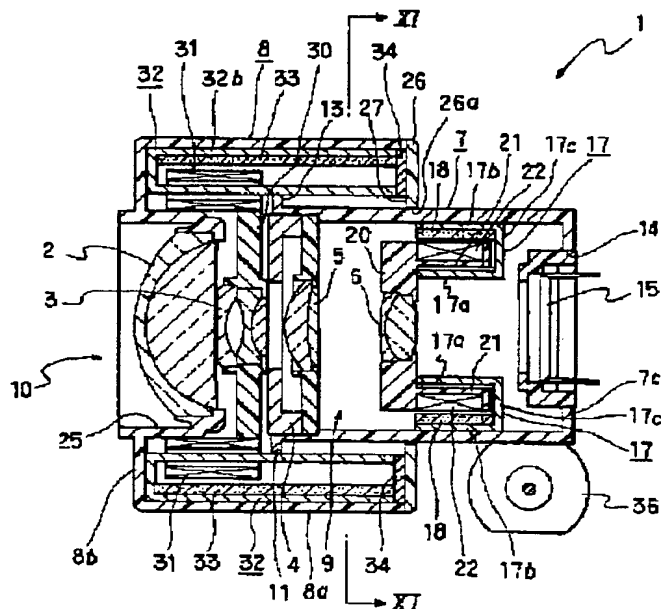
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TITLE : LENS BARREL



ABSTRACT : PURPOSE: To make the moving range of a movable lens such as a zoom lens or a focusing lens wider relative to dimension in an optical axis direction.

CONSTITUTION: This lens barrel 1 is equipped with optical parts 2 fixed in a movable lens barrel 8 out of the lens barrel 1, the zoom lens 3 slidably supported in the lens barrel 1 so as to separate from/contact with the optical parts 2, and linear motors 31, 32, 33 and 34 for moving the zoom lens 3. The motors 31 to 34 moving the zoom lens 3 are positioned outside the optical parts 2 in the case they are viewed from an optical axis direction, and the coil 31 of the motor is attached to the lens holder 30 of the zoom lens 3 and protruded toward the optical parts 2 side from the zoom lens 3 in the optical axis direction.

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